

L3 ANSWER 50 OF 108 CA COPYRIGHT 2005 ACS on STN  
 AN 123:178267 CA  
 ED Entered STN: 30 Sep 1995  
 TI Process and apparatus for treatment of incinerator fly ashes  
 IN Hamaguchi, Keizo; Oogaki, Yoji; Yamaguchi, Hiroshi; Okuyama, Keiichi;  
 Nakamura, Sazo  
 PA Nippon Kokan Kk, Japan  
 SO Jpn. Kokai Tokkyo Koho, 6 pp.  
 CODEN: JKXXAF  
 DT Patent  
 LA Japanese  
 IC ICM B09B003-00  
 ICS B09B003-00; F23J001-00  
 CC 59-4 (Air Pollution and Industrial Hygiene)  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 07155722	A2	19950620	JP 1993-301660	19931201
PRAI	JP 1993-301660		19931201		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
JP 07155722	ICM	B09B003-00
	ICS	B09B003-00; F23J001-00

AB In removal of organochlorine compds. (e.g. dioxins) and Hg in fly ashes recovered from incinerators, Hg is removed by **heating** the ashes at .gtoreq.T (T = vaporization temp. of Hg) for pretreatment, and dioxins are decompd. by **heating** the residues at .gtoreq.t (t = decompn. temp. of dioxins). The app. installed with a dust collector (a) and a harmful gas treatment unit (b) has a **heat** exchanger (c) for exchanging **heat** between a boiler gas and a waste gas passed through a and b, a pretreatment unit (d) for Hg vaporization removal by **heating** fly ashes with the gas obtained by the **heat** exchange, a **fly ash heater** (e) placed in lower part of a boiler for pyrolysis of dioxins, where upper surface of e is opened to inner part of the boiler, and **fly ash** feeders for transporting fly ashes discharged from a to d and then to e. Since Hg is removed in the pretreatment, harmful compds. are efficiently removed with low energy.

ST incinerator **fly ash** treatment app; organochlorine compd removal **fly ash**; **mercury** removal incinerator **fly ash**; dioxin removal incinerator **fly ash**

IT Incinerators

(incinerator **fly ash** treatment process and app. for removal of organochloro compds. and mercury)

IT Reducing agents